On page 12, lines 24-25, please delete "150 mM NaCl, 15 mM trisodium citrate" and

insert therefor: -\750 mM NaCl, 75 mM trisodium citrate --

On page 12, line 26, please delete "20 g/ml" and insert therefor --20 µg/ml--.

In the Claims:

Please cancel, without prejudice to or disclaimer of the subject matter thereof, claims 1-18, 20, and 22-34.

Please add the following claims 35 to 224:

--35. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding amino agids 1 to 360 of SEQ ID NO:2.

36. The isolated polynucleotide of claim 35, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.

37. The isolated polynucleotide of claim 36, which comprises a nucleic acid encoding amino acids 1 to 360 of SEQ ID NO:2.

38. The isolated polypicleotide of claim 37, which comprises nucleotides 283 to 1362 of SEQ ID NO:1.

- 39. The isolated polynucleotide of claim 35, wherein said reference nucleic acid encodes amino acids -50 to 360 of SEQ ID/NO:2.
- 40. The isolated polynucle tide of claim 39, which comprises a nucleic acid encoding amino acids -50 to 360 of SEQ ID NO:2.
- 41. The isolated polynucleotide of claim 40, which comprises nucleotides 133 to 1362 of SEQ ID NO:1.
- 42. The isolated polynucleotide of claim 39, wherein said reference nucleic acid encodes amino acids -51 to 360 of SEQ ID NO:2.
- 43. The solated polynucleotide of claim 42, which comprises a nucleic acid encoding amino acids -51 to 360 of SEQ ID NO:2.
- 44. The isolated polynucleotide of claim 43, which comprises nucleotides 130 to 1362 of SEQ ID NO:1.

45. The isolated polynucleotide of claim 42, wherein said reference nucleic acid is

46. The isolated polynuc eotide of claim 45 which comprises SEQ ID NO:1.

- 47. The isolated polynucleotide of claim 35, wherein said nucleic acid encodes a polypeptide which binds a Tumor Necrosis Factor (TNF) ligand.
- 48. The isolated polynucleotide of claim 35, wherein said nucleic acid encodes a polypeptide which induces apoptosis.
- 49. The isolated polynucleotide of claim 35, further comprising a heterologous polynucleotide.
- 50. The isolated polynucleotide of claim 49, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 51. The isolated polynucleotide of claim 50, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 52. The isolated polynucleotide of claim 51, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 53. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 35 into a vector.
 - 54. A vector comprising the isolated polynucleotide of claim 35.

- 55. The vector of claim 54, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 56. A host cell comprising the isolated polynucleotide of claim 35.
- 57. The host cell of claim 56, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 58. A host cell comprising the isolated polynucleotide of claim 47.
- 59. The host cell of claim 58 wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 60. A method of using the host cell of claim 58 to screen for ligand binding, comprising culturing said host cell under conditions such that a polypeptide encoded by said isolated polynucleotide is expressed, contacting said polypeptide with said ligand, and detecting binding of said ligand to said polypeptide.
- 61. A method of producing a polypeptide comprising culturing the host cell of claim 58 under conditions such that said polypeptide is expressed, and recovering said polypeptide.

- 62. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding amino acids 1 to 133 of SEQ ID NO:2.
- 63. The isolated polynucleotide of claim 62, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.
- 64. The isolated polynucleotide of claim 63, which comprises a nucleic acid encoding amino acids 1 to 133 of SEQ ID NO:2.
- 65. The isolated polynucleotide of claim 64, which comprises nucleotides 283 to 681 of SEQ ID NO:1.
- 66. The isolated polynucleotide of claim 62, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
- 67. The isolated polynucleotide of claim 62, wherein said nucleic acid encodes a polypeptide which induces apoptosis.
- 68. The isolated polynucleotide of claim 62, further comprising a heterologous polynucleotide.
- 69. The isolated polynucleotide of claim 68, wherein said heterologous polynucleotide encodes a heterologous polypeptide.

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- 70. The isolated polynucleotide of claim 69, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 71. The isolated polynucleotide of claim 70, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 72. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 62 into a vector.
 - 73. A vector comprising the isolated polynucleotide of claim 62.
- 74. The vector of claim 73, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 75. A host cell comprising the isolated polynucleotide of claim 62.
- 76. The host cell of claim 75, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 77. A host cell comprising the isolated polynucleotide of claim 66.
- 78. The host cell of claim 77, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

- 79. A method of using the host cell of claim 77 to screen for ligand binding, comprising culturing said host cell under conditions such that a polypeptide encoded by said isolated polynucleotide is expressed, contacting said polypeptide with said ligand, and detecting binding of said ligand to said polypeptide.
- 80. A method of producing a polypeptide comprising culturing the host cell of claim 77 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 81. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding amino acids 134 to 157 of SEQ ID NO:2.
- 82. The isolated polynucleotide of claim 81, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.
- 83. The isolated polynucleotide of claim 82, which comprises a nucleic acid encoding amino acids 134 to 157 of SEQ ID NO:2.
- 84. The isolated polynacleotide of claim 83, which comprises nucleotides 682 to 753 of SEQ ID NO:1.
- 85. The isolated polynucleotide of claim 81, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.

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- 86. The isolated polynucleotide of claim 81, further comprising a heterologous polynucleotide.
- 87. The isolated polynucleotide of claim 86, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 88. The isolated polynucleotide of claim 87, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 89. The isolated polynucleotide of claim 88, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 90. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 81 into a vector.
 - 91. A vector comprising the isolated polynucleotide of claim 81.
- 92. The vector of claim 91, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 93. A host cell comprising the isolated polynucleotide of claim 85.

- 94. The host cell of claim 93, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 95. A method of producing a polypeptide comprising culturing the host cell of claim 93 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 96. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding amino acids 158 to 360 of SEQ ID NO:2.
- 97. The isolated polynucle otide of claim 96, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.
- 98. The isolated polynucleotide of claim 97, which comprises a nucleic acid encoding amino acids 158 to 360 of SEQ ID NO:2.
- 99. The isolated polynucleotide of claim 98, which comprises nucleotides 754 to 1362 of SEQ ID NO:1.
- 100. The isolated polynucleotide of claim 96, wherein said nucleic acid encodes a polypeptide which induces apoptosis.

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- 101. The isolated polynucleotide of claim 96, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
- 102. The isolated polynucleotide of claim 96, further comprising a heterologous polynucleotide.
- 103. The isolated polynucleotide of claim 102, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 104. The isolated polynucleotide of claim 103, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 105. The isolated polynucleotide of claim 104, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 106. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 96 into a vector.
 - 107. A vector comprising the isolated polynucleotide of claim 96.
- 108. The vector of claim 107, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

- 109. A host cell comprising the isolated polynucleotide of claim 96.
- 110. The host cell of claim 109, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 111. A host cell comprising the isolated polynucleotide of claim 100.
- 112. The host cell of claim 111, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 113. A method of producing a polypeptide comprising culturing the host cell of claim 111 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 114. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding amino acids 273 to 340 of SEQ ID NO:2.
- 115. The isolated polynycleotide of claim 114, wherein said nucleic acid is at least 95% identical to said reference nycleic acid.
- 116. The isolated polynucleotide of claim 115, which comprises a nucleic acid encoding amino acids 273 to 340 of SEQ ID NO:2.

- 117. The isolated polynucleotide of claim 116, which comprises nucleotides 1099 to 1302 of SEQ ID NO:1.
- 118. The isolated polynucleotide of claim 114, wherein said nucleic acid encodes a polypeptide which induces apoptosis.
 - 119. The isolated polynucleotide of claim 114, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
 - 120. The isolated polynucleotide of claim 114, further comprising a heterologous polynucleotide.
 - 121. The isolated polynucleotide of claim 120, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
 - 122. The isolated polynuc eotide of claim 121, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
 - 123. The isolated polynucleotide of claim 122, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
 - 124. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 114 into a vector.

- 125. A vector comprising the isolated polynucleotide of claim 114.
- 126. The vector of claim 125, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 127. A host cell comprising the isolated polynucleotide of claim 114.
- 128. The host cell of claim 127, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 129. A host cell comprising the isolated polynucleotide of claim 118.
- 130. The host cell of claim 129, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 131. A method of producing a polypeptide comprising culturing the host cell of claim 129 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 132. An isolated polynucleotide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding the mature amino acid sequence encoded by the cDNA clone in ATCC Deposit No. 97920.

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- 133. The isolated polynucleotide of claim 132, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.
- 134. The isolated polynucleotide of claim 133, which comprises a nucleic acid encoding the mature amino acid sequence encoded by the cDNA clone in ATCC Deposit No. 97920.
- 135. The isolated polynucleotide of claim 132, wherein said reference nucleic acid encodes the complete amino acid sequence encoded by the cDNA clone in ATCC Deposit No. 97920.
- 136. The isolated polynucleotide of claim 135, which comprises a nucleic acid encoding the complete amino acid sequence encoded by the cDNA clone in ATCC Deposit No. 97920.
- 137. The isolated polynucleotide of claim 132, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
- 138. The isolated polynucleotide of claim 132, wherein said nucleic acid encodes a polypeptide which induces apoptosis.
- 139. The isolated polynucleotide of claim 132, further comprising a heterologous polynucleotide.

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- 140. The isolated polynucleotide of claim 139, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 141. The isolated polynucleotide of claim 140, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 142. The isolated polynudleotide of claim 141, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 143. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 132 into a vector.
 - 144. A vector comprising the isolated polynucleotide of claim 132.
- 145. The vector of claim 144, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 146. A host cell comprising the isolated polynucleotide of claim 132.
- 147. The host cell of claim 146, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

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- Appl. No. 09/042,583
- 148. A host cell comprising the isolated polynucleotide of claim 137.
- 149. The host cell of claim 148, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 150. A method of using the host cell of claim 148 to screen for ligand binding, comprising culturing said host cell under conditions such that a polypeptide encoded by said isolated polynucleotide is expressed, contacting said polypeptide with said ligand, and detecting binding of said ligand to said polypeptide.
- 151. A method of producing a polypeptide comprising culturing the host cell of claim 148 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 152. An isolated polynacleotide comprising 30 contiguous nucleotides of nucleotides 284 to 1362 of SEQ ID NO:1.
- 153. The isolated polynucleotide of claim 152, comprising 50 contiguous nucleotides of nucleotides 284 to 1362 of SEQ ID NO:1.
- 154. The isolated polynucleotide of claim 152, which encodes a polypeptide which binds a TNF ligand.

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155. The isolated polynucleotide of claim 152, which encodes a polypeptide which nduces apoptosis.

- 156. The isolated polynucleotide of claim 152, further comprising a heterologous polynucleotide.
- 157. The isolated polynucleotide of claim 156, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 158. The isolated polynucleotide of claim 157, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 159. The isolated polynucleotide of claim 158, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 160. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 152 into a vector.
 - 161. A vector comprising the isolated polynycleotide of claim 152.
- 162. The vector of claim 161, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

- 163. A host cell comprising the isolated polynucleotide of claim 152.
- 164. The host cell of claim 163, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 165. A host cell comprising the isolated polynucleotide of claim 154.
- 166. The host cell of claim 165, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 167. A method of using the host cell of claim 165 to screen for ligand binding, comprising culturing said host cell under conditions such that a polypeptide encoded by said isolated polynucleotide is expressed, contacting said polypeptide with said ligand, and detecting binding of said ligand to said polypeptide.
- 168. A method of producing a polypeptide comprising culturing the host cell of claim 165 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 169. An isolated polynucleotide comprising a nucleic acid which encodes at least 7 contiguous amino acids of amino acids 1 to 360 of SEQ ID NO:2;

wherein said at least 7 contiguous amino acids bind an antibody with specificity for the polypeptide encoded by amino acids 1 to 360 of SEQ ID NO:2.

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- 170. The isolated polynucleotide of claim 169, wherein said nucleic acid encodes at least 15 contiguous amino acids of amino acids 1 to 360 of SEQ ID NO:2.
- 171. The isolated polynucleotide of claim 170, wherein said nucleic acid encodes at least 30 contiguous amino acids of amino acids 1 to 360 of SEQ ID NO:2.
- 172. The isolated polynucleotide of claim 169, wherein said nucleic acid encodes amino acids 11 to 59 of SEQID NO:2.
- 173. The isolated polynucleotide of claim 169, wherein said nucleic acid encodes amino acids 68 to 103 of SEQ ID NO.2.
- 174. The isolated polynucleotide of claim 169, wherein said nucleic acid encodes amino acids 173 to 220 of SEQ ID NO:2
- 175. The isolated polynucleotide of claim 169, wherein said nucleic acid encodes amino acids 224 to 319 of SEQ ID NO:2.
- 176. The isolated polynucleotide of claim 169, further comprising a heterologous polynucleotide.
- 177. The isolated polynucleotide of claim 176, wherein said heterologous polynucleotide encodes a heterologous polypeptide.



- 178. The isolated polynucleotide of claim 177, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 179. The isolated polynucleotide of claim 178, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 180. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 169 into a vector.
 - 181. A vector comprising the isolated polynucleotide of claim 169.
- 182. The vector of claim 181, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 183. A host cell comprising the isolated polynucleotide of claim 169.
- 184. The host cell of claim 183, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
- 185. A method of producing a polypeptide comprising culturing the host cell of claim 183 under conditions such that said polypeptide is expressed, and recovering said polypeptide.

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- 186. An isolated polynucleotide comprising a nucleic acid which hybridizes to nucleotides 284 to 1362 of SEQ ID NO:1, or the complement thereof, under conditions comprising:
- (a) incubating overnight at 42°C in a solution consisting of 50% formamide, 5x SSC, 50 mM sodium phosphate (pH 7.6), 5x Denhardt's solution, 10% dextran sulfate, and 20 μg/ml denatured, sheared salmon sperm DNA; and
 - (b) washing at 65°C in a solution consisting of 0.1x SSC; wherein said nucleic acid is at least 15 nucleotides in length.
- 187. The isolated polynucleotide of claim 186, wherein said nucleic acid is at least 30 nucleotides in length.
- 188. The isolated polynucleotide of claim 187, wherein said nucleic acid is at least 50 nucleotides in length.
- 189. The isolated polynucleotide of claim 188, wherein said nucleic acid is at least 150 nucleotides in length.
- 190. The isolated polynucleotide of claim 186, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
- 191. The isolated polynucleotide of claim 186, wherein said nucleic acid encodes a polypeptide which induces apoptosis.

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- 192. The isolated polynucleotide of claim 186, further comprising a heterologous polynucleotide.
- 193. The isolated polynuc eotide of claim 192, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 194. The isolated polynucleotide of claim 193, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.
- 195. The isolated polynucleotide of claim 194, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region
- 196. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 186 into a vector.
 - 197. A vector comprising the isolated polynucleotide of claim 186.
- 198. The vector of claim 197, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 199. A host cell comprising the isolated polynucleotide of claim 186.

200. The host cell of claim 199, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

201. A host sell comprising the isolated polynucleotide of claim 190.

M C18 -202. The host cell of claim 201, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.

- 203. A method of using the host cell of claim 201 to screen for ligand binding, comprising culturing said host cell under conditions such that a polypeptide encoded by said isolated polynucleotide is expressed, contacting said polypeptide with said ligand, and detecting binding of said ligand to said polypeptide.
- A method of producing a polypeptide comprising culturing the host cell of 204. claim 201 under conditions such that said polypeptide is expressed, and recovering said polypeptide.
- 205. An isolated polynucleo ide comprising a nucleic acid at least 90% identical to a reference nucleic acid encoding at least 30 contiguous amino acids from 1 to 360 of SEQ ID NO:2.
- 206. The isolated polynucleotide of claim 205, wherein said nucleic acid is at least 95% identical to said reference nucleic acid.

- 207. The isolated polynucleotide of claim 206, wherein said nucleic acid encodes at least 30 contiguous amino acids from 1 to 360 of SEQ ID NO:2.
- 208. The isolated polynucleotide of claim 206, wherein said reference nucleic acid encodes at least 50 contiguous amino acids from 1 to 360 of SEQ ID NO:2.
- 209. The isolated polynucleotide of claim 208, wherein said nucleic acid encodes at least 50 contiguous amino acids from 1 to 360 of SEQ ID NO:2.
- 210. The isolated polynucleotide of claim 205, wherein said nucleic acid encodes a polypeptide which binds a TNF ligand.
- 211. The isolated polynucleotide of claim 205, wherein said nucleic acid encodes a polypeptide which induces apoptosis.
- 212. The isolated polyhucleotide of claim 205, further comprising a heterologous polynucleotide.
- 213. The isolated polynucleotide of claim 212, wherein said heterologous polynucleotide encodes a heterologous polypeptide.
- 214. The isolated polynucleotide of claim 213, wherein said heterologous polypeptide comprises an immunoglobulin Fc region.

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- 215. The isolated polynucleotide of claim 214, wherein said immunoglobulin Fc region is a human immunoglobulin Fc region.
- 216. A method of producing a vector that comprises inserting the isolated polynucleotide of claim 205 into a vector.
 - 217. A vector comprising the solated polynucleotide of claim 205.
- 218. The vector of claim 217, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 219. A host cell comprising the isolated polynucleotide of claim 205.
- 220. The host cell of claim 219, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.
 - 221. A host cell comprising the isolated polynucleotide of claim 210.
- 222. The host cell of claim 221, wherein said isolated polynucleotide is operably associated with a heterologous regulatory sequence.